S/N 10/024462



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Aravind Padmanabhan et al.

Examiner:

Stephen J. Cherry

Serial No.:

10/024462

Group Art Unit:

2863

Filed:

Docket:

256.124US1

December 17, 2001

Confirmation No.: 6183

Allowed: 12/31/2003

Title:

ARCHITECTURES OF SENSOR NETWORKS FOR BIOLOGICAL AND

CHEMICAL AGENT DETECTION AND IDENTIFICATION

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

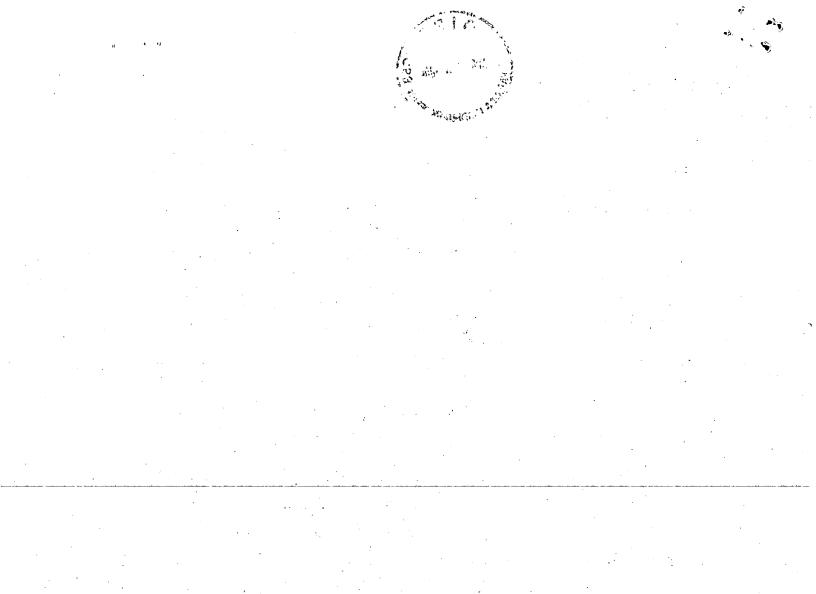
MS ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

The attached documents were discovered as a result of a Search Report in Applicants' corresponding foreign patent application. Enclosed for the Examiner's information are copies of the cited documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(d)(1) and 37 C.F.R. §1.97(e)(1), Applicants state that each item of information contained in the Supplemental Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Supplemental Information Disclosure Statement.



Serial No :10/024462

Filing Date: December 17, 2001

Title: ARCHITECTURES OF SENSOR NETWORKS FOR BIOLOGICAL AND CHEMICAL AGENT DETECTION AND IDENTIFICATION

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ARAVIND PADMANABHAN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6972

Date 3-31-2004

Bradley A. Forrest

Reg. No. 30,837

<u>CERTIFICATE UNDER 37 CFR 1.8:</u> The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this <u>31st</u> day of March, 2004.

Candis B. Buending

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Signature

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICAN
(Use as many sheets as necessar) Sheet 1 of 1

Application Number	10/024462 December 17, 2001 Padmanabhan, Aravind 2863		
Filing Date			
First Named Inventor			
Group Art Unit			
Examiner Name	Stephen J. Cherry		

		US P.	ATENT DOCUMENT	S		
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-5,874,046	02/23/1999	Megerle, C. A.	422	68.1	10/30/1996
	US-6,066,295	05/23/2000	Bernstein, L. S., et al.	422	50	05/31/1996

FOREIGN PATENT DOCUMENTS						
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Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	EP-1158292 A2	11/28/2001	Wyatt, P.	G01 N	21/53	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
\$ 		"Chemical and Biological Defense Program, Annual Report to Congress", Department of Defense, (2000), 1-272	
		HILLS, R., "Sensing for Danger", <u>Science and Technology Review</u> , Retrieved from the Internet: http://www.llnl.gov/str/JulAug01/pdfs/07_01.2.pdf >,(2001), pp. 11-17	
		LUO, R., et al., "Future Trends in Multisensor Integration and Fusion", <u>Industrial</u> <u>Electronics</u> , (1994), pp. 7-12	
		PARK, S., et al., "Fusion-based Sensor Fault Detection", <u>Proceedings of the 1993 International Symposium on Intelligent Control</u> , (1993), pp. 156-161	
		PENNY, D., "The Automatic Management of Multi-Sensor Systems", Fusion, Volume II, (1998), pp. 748-755	



256.125

PATENT COOPERATION TREATY

K. Fredrick

See paragraphs 1 and 4 below

From the INTERNATIONAL SEARCHING AUTHORITY

HONEYWELL INTERNATIONAL INC. Attn. Criss, Roger H. 101 Columbia Road P.O. Box 2245 Morristown, New Jersey 07960

UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)

11/03/2004

Applicant's or agent's file reference

H0002475-2

International application No.

PCT/US 02/37477

FOR FURTHER ACTION

International filing date

(day/month/year)

21/11/2002

Applicant

HONEYWELL INTERNATIONAL INC.

	The appl	icant is entitled,	and statement under Article 19: If he so wishes, to amend the claims of the International Application (see Rule 46	3):
	When?	The time limit to International Se	or filing such amendments is normally 2 months from the date of transmittal of the earch Report; however, for more details, see the notes on the accompanying shee	et.
	Where?	Directly to the	International Bureau of WIPO 34, chemin des Colombettes	
٠.			1211 Geneva 20, Switzerland Fascimile No.: (41–22) 740.14.35	

The applicant is hereby notified that no International Search Report will be established and that the declaration under

With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the international Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Further action(s): The applicant is reminded of the following:

Article 17(2)(a) to that effect is transmitted herewith.

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

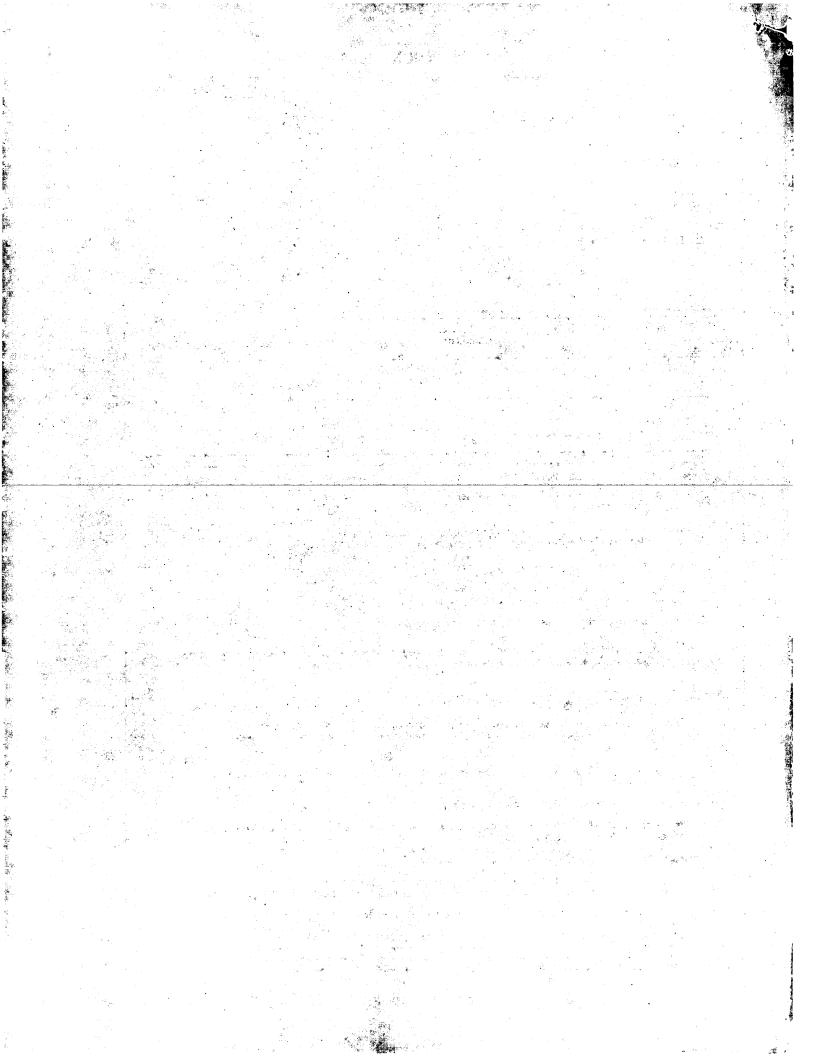
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijewijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Eric Walsh



NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing. If amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

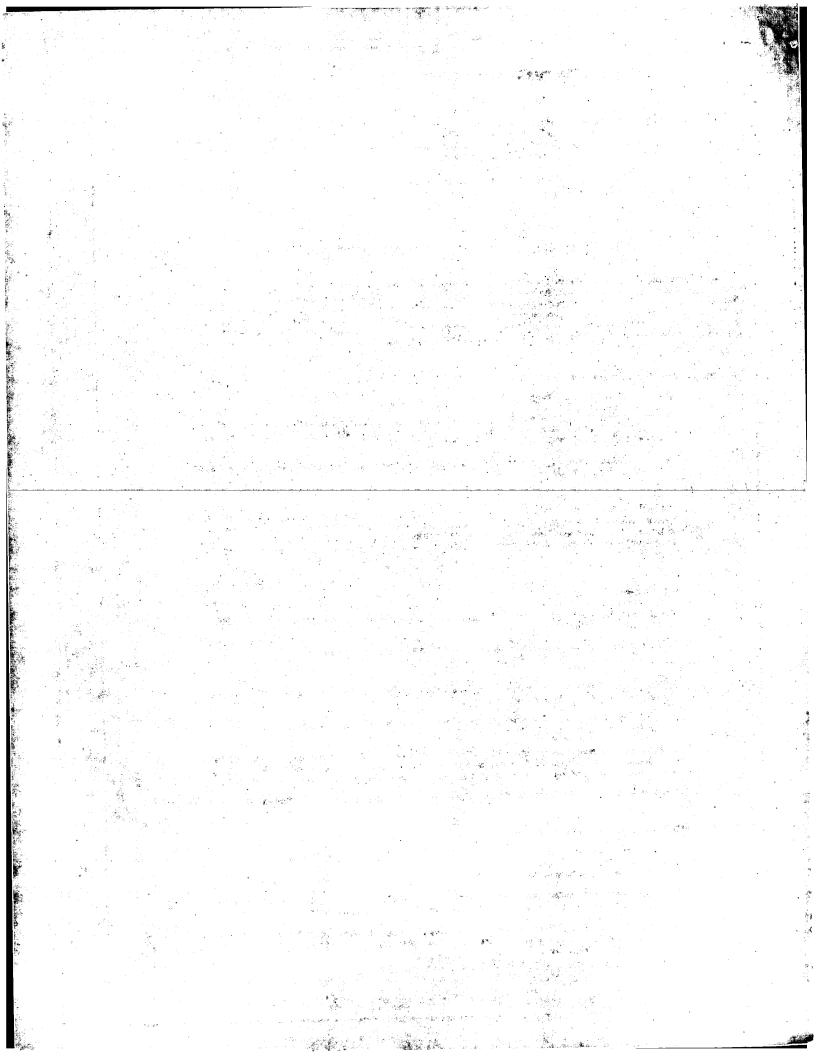
What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is French, the letter must be in English; if the language of the international application is French, the letter must be in French.



NOTES TO FORM PCT/ISA/220 (ntinued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended, it must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

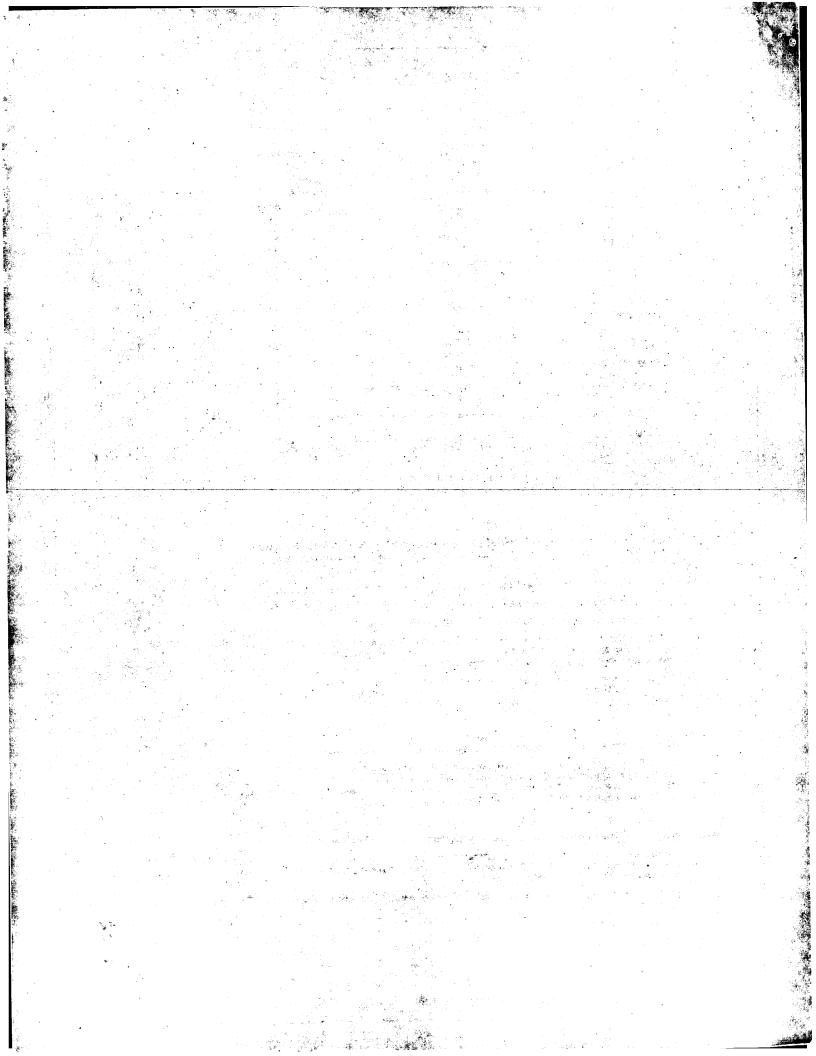
Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.



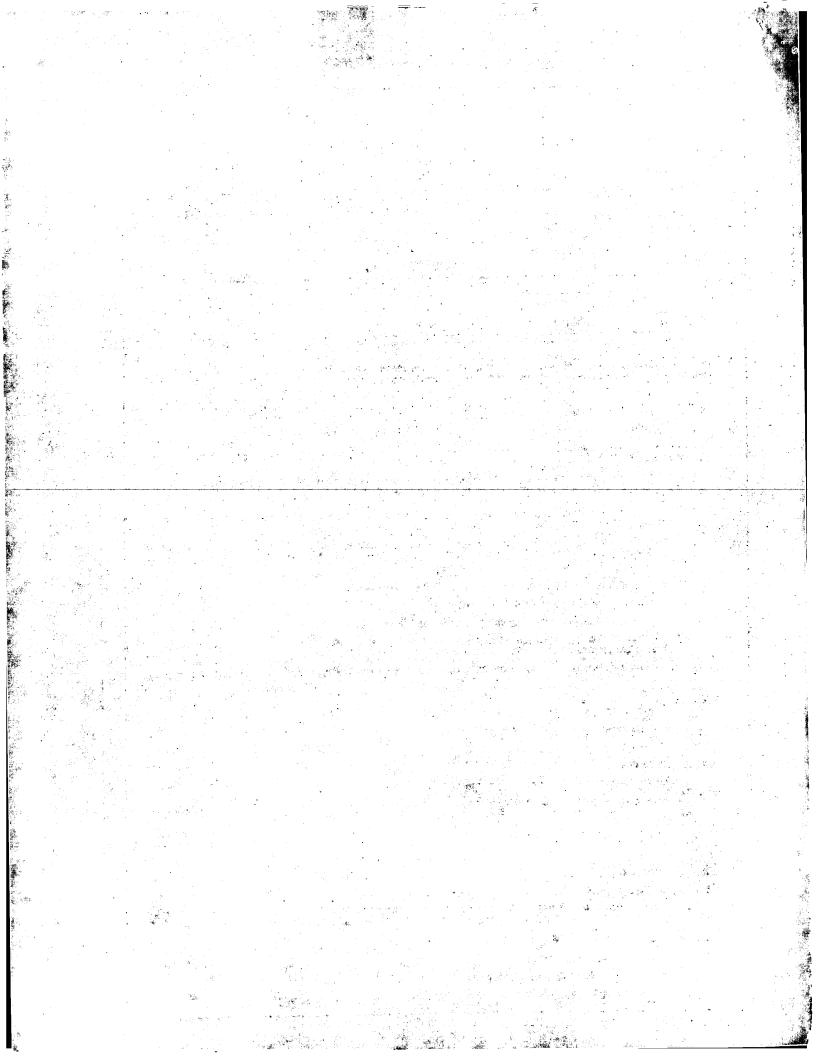
PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference H0002475-2	FOR FURTHER See Notification (Form PCT/ISA/2	of Transmittal of International Search Report 220) as well as, where applicable, Item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 02/37477	21/11/2002	
Applicant	21/11/2002	17/12/2001
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HONEYWELL INTERNATIONAL 1	INC.	
This international Search Report has be according to Article 18. A copy is being t	en prepared by this international Searching Auti ransmitted to the international Bureau.	hority and is transmitted to the applicant
This International Search Report consist		
It is also accompanied by	s of a total of4 sheets. y a copy of each prior art document cited in this	
	, a sopy of sault phot are document clied in this	report.
1. Basis of the report		
With regard to the language, the language in which it was filed, ur	international search was carried out on the basiless otherwise indicated under this item.	sis of the international application in the
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3. Unity of invention is lac	king (see Box II).	
4. With regard to the title,		
X the text is approved as su	ibmitted by the applicant.	
the text has been establis	shed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	ibmitted by the applicant	
the text has been establis	thed, according to Rule 38.2(b), by this Authority a date of mailing of this international search repo	y as it appears in Box III. The applicant may, ort, submit comments to this Authority.
5. The figure of the drawings to be publ		3
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INTERNATIONAL SEARCH REPORT

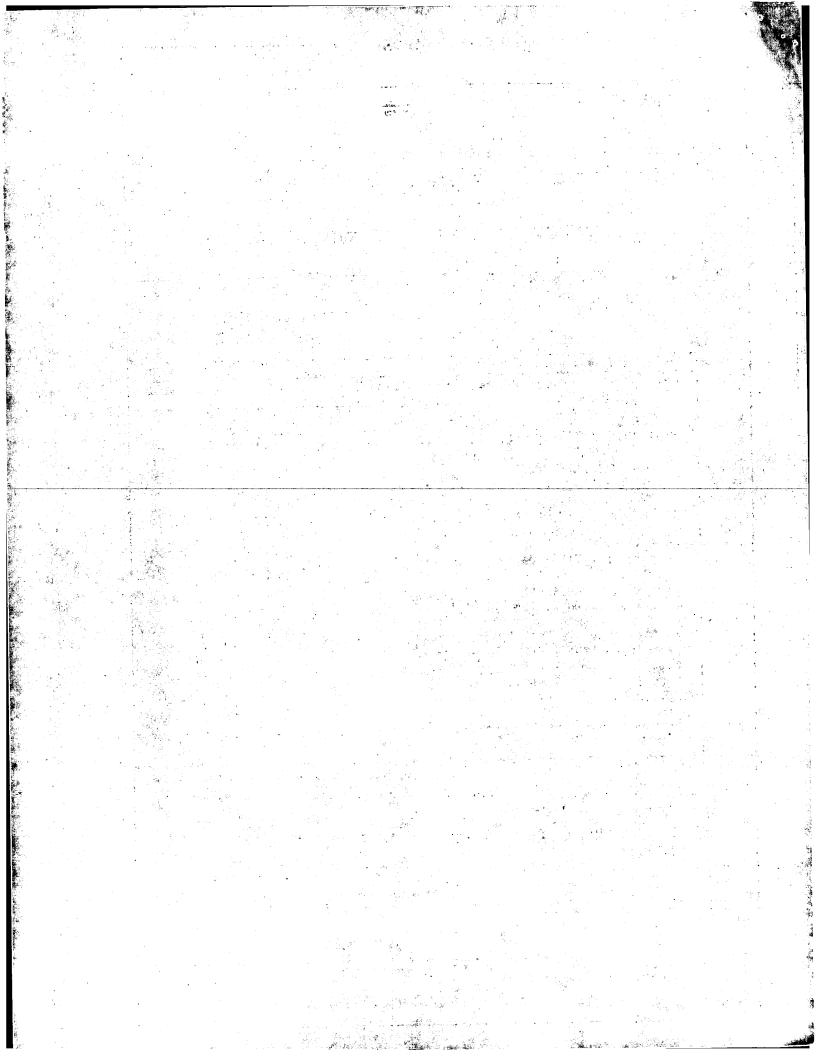
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C. DOCUMENTS CONSIDERED TO BE RELEVANT	
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Authorized officer

De la Cruz Valera, D

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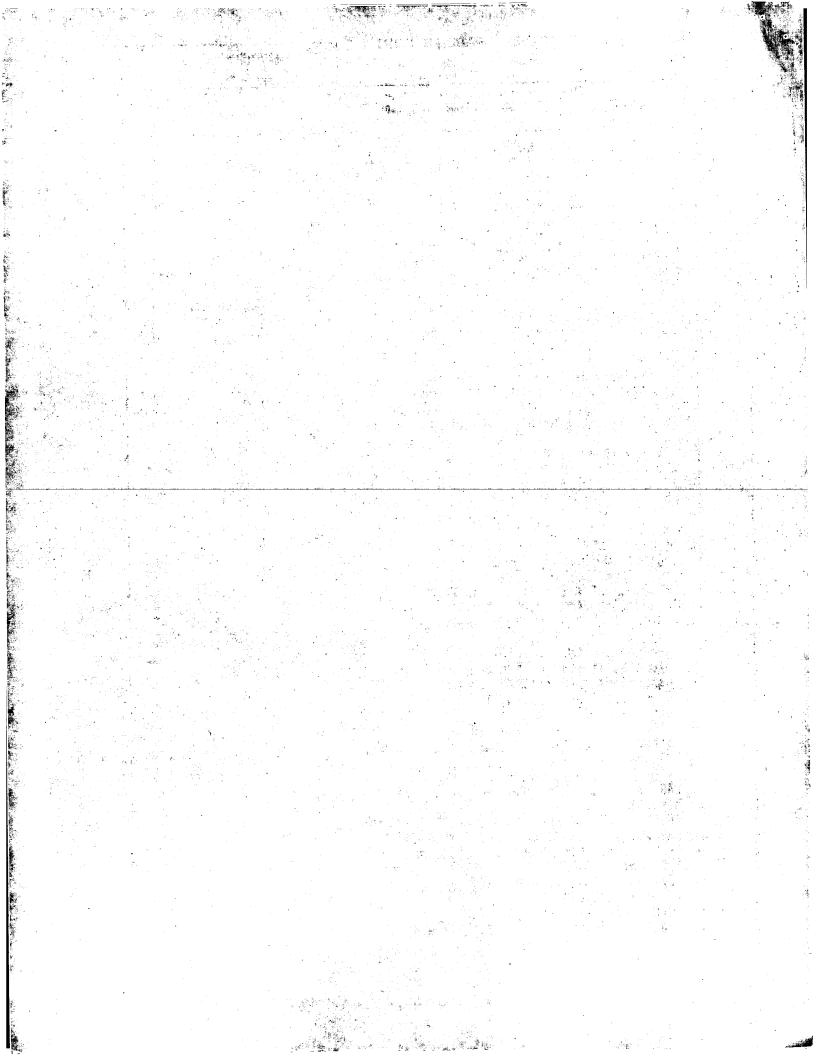
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INTERNATIONAL SEARCH REPORT

International Application No PCT/US 02/37477

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
χ	DEPARTMENT OF DEFENCE	
•	DEPARTMENT OF DEFENSE : "Chemical and	16,17,
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US 02/37477

Patent document dted in search report	Publication date	Patent family member(s)	Publication date
EP 1158292 A	28-11-2001 US EP	6490530 B1 1158292 A2	03-12-2002 28-11-2001
	JP	2002022641 A	23-01-2002

